

A Boundary Value Problem of Linear Conjugation, by  
I. G. Mihailov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXIX, 1961,  
pp 294-297.

Amer Math Soc

Sci

Jun 62

201, 059

Certain Homogeneous Boundary Value Problems for  
Differential Operators With Constant Coefficients, by  
S. G. Ovsepyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 298-301.

Amer Math Soc

Sci

201, 060

Jun 62

On the Boundedness of the Solutions of Certain Nonlinear  
Differential Equations of Third Order, by V. A. Pliss,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 302-304.

Amer Math Soc

Sci

Jun 62

Conditions for the Correctness of One-Dimensional  
Mixed Problems, by M. L. Rasulov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 305-308.

Amer Math Soc

Sci

Jun 62

201,061

On Statement Calculi With an Additional Operation, by  
Ya. S. Smetanich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 309-312.

Amer Math Soc

Sci

Jun 62

On a Method of Investigating Systems of Linear  
Differential Equations With Quasiperiodic Coefficients,  
by V. H. Harasahal, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 313-315.

Amer Math Soc

Sci

M Jun 62

Certain Families of Extensions of a Symmetric Operator  
by A. V. Skibaus, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 316-319.

Amer Math Soc

Sci

Jun 62

201, 062

(NY-6502)

The Capacity of Functional-Element Systems,  
by M. N. Vayntsvayg, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, Jul 1961, pp 320-323.

JPRB 10355

Sci - Phys

173, 677

Oct 61

(NY-6502)

Concerning the Possibility of Generalizing the  
Invariance Principle in Linear Automatic Control  
Systems With Variable Parameters, by V. A.  
Vasilenko, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
pp 324-326.

JPRS 10435

Sci - Phys  
Nov 81

173, 605

The Motion of a Gyroscope in a Cardan Suspension when There Is a Moment with Respect to the Axis of Natural Rotation,  
by S. A. Kharlamov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 327-.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

865-  
182, ~~653~~

Feb 62

Energy Spectrum of an Incompressible Fluid  
in Turbulent Flow, by E. A. Novikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 331-334.

AIP  
Sov Phys - Dok  
Vol VI, No 7 863

Sci 182, ~~66~~

Feb 62

The Boundary of the Region of Existence of Optimal  
Nozzles Free of Shock Waves, by L. E. Sternin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2,  
1961, pp 335-.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

Jan 62

Solution of Axially Symmetric Problems in the  
Theory of Elasticity by Means of Analytic  
Functions, by A. Ya. Aleksandrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 337-340.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

852  
~~182~~

Feb 62

Asymptotic Treatment of the Equilibrium of  
Large Bending of a Symmetrically Loaded  
Circular Plate, by L. S. Srubshchik, Ex  
V. I. Yudovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 341-344.

AIP  
Sov Phys - Dok  
Vol VI, No 7  
Sci 182, ~~66~~ 85-3

Feb 62

On the Problem of the Fermion Mass in the  $\bar{\psi}\psi$ -Invariant  
Model of Quantum Field Theory, by B. A. Arbuzov,  
A. N. Tavkhelidze, R. I. Faustov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 345-347.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

Jan 62

Spheres of Quenching in Case of Energy  
Transfer between Triplet Levels, by V. L.  
Ermolayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 348-350.

AIP  
Sov Phys - Dok  
Vol VI, No 7

866

182, ~~677~~

Sci

Feb 62

Probability of Conversion of the Oscillatory Energy of Oxygen on Collision with a Nitrogen Peroxide Molecule, by A. I. Osipov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 351-354.

AIP  
Sov Phys - Dok  
Vol VI, No 7 867  
182, 648

Sci

Feb 62

Anisotropic Electron Scattering by Ionized Impurities, by A. G. Samoilovich, I. Ya. Korenblit, I. V. Dakhovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 355-358.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

868  
182, 649

Feb 62

Durability of Metals, by V. I. Likhtman,  
L. S. Bryukhanova, I. A. Andreyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
Iss No 2, 1961, pp 359-.

AIP  
Sov Phys - Dok  
Vol VI, No 7

85d

Sci

182, ~~b6a~~

Feb 62

Synthesis of  $\beta$ -Cedrene, by M. I. Goryayev,  
G. A. Tolstikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 363-366.

CB

Sci

200,775

Jun 62

A New Route for the Synthesis of Quinolizidine  
Derivatives, by V. I. Gunar, S. I. Zav'yalov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 367-368.

CB

Sci

Jun 62

$\alpha$ -(2,3(CO),6,5,(CO)-Dibenzoylenisonicotinoyl)  
Benzoic Acid, by G. Ya. Duburs, G. Ya. Vanags,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 369-372.

CB

Sci

200, 776

Jun 62

Absorption Spectra of Diphenylmethane and  
Diphenylethane Derivatives Containing Nitro  
and Amino Groups on Different Rings, by  
V. A. Izmail'skiy, V. A. Glushenkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR,  
Vol CXXXIX, No 2, 1961, pp 373-376.

CB

Sci

200, 777

Jun 62

Hydrogenation of  $\alpha$ -Keto Acids Over Colloidal Palladium Catalyst, by E. I. Klabunovskiy, A. A. Belardin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961, pp 377-380.

CB

Sci

200, 778

Jun 62

Conversion of Isopropenylcyclopropane in  
the Presence of Kieselguhr, by M. Yu. Lukina,  
S. V. Zetova, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 381-384.

CB

Sci

300, 779

Jun 62

Reactions of Diborane and Alkyldiboranes With  
Esters of Boric and Alkaneboronic Acids and  
Their Thio Analogs, by B. M. Mikhailov,  
L. S. Vasil'yev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 385-388.

CB

Sci

200, 780

Jun 62

Isotope Exchange Between Substituted  
Benzylmercury Bromides and Mercuric Bromide  
Labeled With the Radioactive Isotope, by  
T. A. Smolina, V. A. Kalyavin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 389-392.

CB

Sci

200, 781

Jun 62

Metal Dialkyl Dithiophosphate Antioxidants, by P. I.  
Sanin, V. V. Sher, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961,  
pp 393-395.

CB

Sci

Jun 62

Synthesis of  $\alpha$ -Furylnitroethylene and Investigation of  
Its Ability to Undergo Polymerization, by A. V. Топчиев  
Topchiev, V. P. Alaniya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961,  
pp 396-397.

CB

Sci

Jun 62

The Specific Heat of Water and Steam at High Temperatures and High Pressures, by Kh. I. Amirkhanov, A. M. Kerimov, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXXIX, No 2, 1961, pp 398-401.

CB

Sci

Apr 62

Photoreduction and Demethylation of Thiazine Dyes on  
Silica Sols, by Kh. L. Arvan, G. A. Korsunovskiy,  
S. Yu. Lebedev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 402-405.

CB

Sci.

Apr 62

Oxidation and Reduction by Radical Radiclysis  
Products of Organic Compounds, by V. A. Larin, N. A.  
Bakh, 3 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 406-409.

CB

Sci

Apr 62

The Conversion of Oxidative Radiolysis Components in  
the Nitrate-Water System, by M. A. Proskurnin, V. A.  
Sharpatyy, V. I. Smirnova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 410-413.

CB

U KAEA/D/L13 TR 63

Available on loan only

Sci

Apr 62

The Mechanism by Which Pitting Corrosion is Initiated  
and Grows on Stainless Steels, by I. L. Rozenfel'd,  
I. S. Danilov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 414-417.

X CB

Sci -

Apr 62

The Dipole Moments of Certain Cyclopentadienylides  
and Diphenyl Cyclopropanone, by A. N. Shidlovskaya,  
Ya. K. Syrkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 418-419.

CB

Sci

Apr 62

The Proof that Strong Deflagrations and Weak Detonations Cannot be Realized, by K. I. Shchelkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 420-423.

CB

Sci

Apr 62

Nuclear Reaction ( $\alpha$ , n) for the Determination of Certain Elements in Solution, by I. N. Plaskin, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961, pp 424-426.

U.K. Atomic Energy Authority  
Risley, TRG Inf Ser 129(W)

Sci - Chem  
Jul 62

C B

202,109

Recent Data on the Lower and Middle Jurassic Belemnite Fauna of Siberia, by V. N. Saks, 3 pp.

RUSSLAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXXXIX, No 2, 1961, pp 431-.

AGI

Sci

Aug 63

Chlorine-Free Schairerite From the Nepheline Syenites of the Lovozero Massif (Kola Peninsula), by L. N. Kogarko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences Section), Vol XXXIX, No 2, 1961, pp 435-437.

AGI

Sci

Aug 63

Kimberlite Pipes From the South of the Siberian Platform, by B. M. Vlakimirov, V. I. Znamerovsky, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences Section), Vol cXXXIX, No 2, 1961, pp 438-441.

AGI

Sci

Aug 63

The Study of Opals and Opal-Containing Rocks by  
Means of the Adsorption Structural Method, by  
V. A. Zabelin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences  
Section), Vol XXXIX, No 2, 1961, pp 442-445.

AGI

Sci

Aug 63

Sulfide Concretions in the Coal-Bearing Deposits  
of the Donets Basin and the Mineralogical Form  
of the Iron Disulfide, by P. V. Zaritsky, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences  
Section), Vol XXXIX, No 2, 1961, pp 446-449.

AGI

Sci

Aug 63

Minor Elements in Lower Cretaceous Rocks of  
the Dnieper-Donets Depression, by I. I. Litvin,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth /  
Sciences Section, Vol CXXXIX, No 2, 1963,  
pp 450-452.

AGI

Sci

Aug 63

A Contribution to the Geochemistry of Chlorine,  
by Yu. P. Masurenkov, S. I. Pakhomov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, <sup>(1964)</sup>  
Sciences Section, Vol CXXXIX, No 2, 1965,  
pp 453-455.

AGI

Sci

Aug 63

The Radioactivity Ratio of Sediments of the  
Sea of Azov and the Black Sea, by L. Ye.  
Starik, D. S. Nikolayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sciences Section, Vol CXXXIX, No 2, 1963,  
pp 456-460.

AGI

Sci

Aug 63

Protoleiosphaeridium Sorediforme Tim. and Pr.  
Conglutinatum Tim. From the Petroleum and Rocks  
of the Volga-Ural Region, by A. M. Medvedeva,  
I. K. Chepilova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences  
Section), Vol XXXIX, No 2, 1961, pp 461-462

AGI

Sci

Aug 63

The Effect of Low Temperatures on the  
Chromosome Morphology of Potato Species,  
by N. A. Lebedeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 463-465.

AIBS

Sci

184, 525

Feb 62

Fluorescent Microscopical Investigation of  
Changes in Amnion Cell Tissue Cultures Infected  
with Poliovirus, by N. A. Maksimovich,  
N. F. Golub, V. M. Boroday, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
no 2, 1961, pp 467-.

AKBS

Sci

184,529

Feb 62

The Combined Activity of Earthworms and the  
Microflora in Forest Soils, by L. S.  
Kozlovskaia, E. N. Zhdannikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CXXXIX,  
No 2, 1961, pp 470-473.

AIBS

Sci

184.528

Feb 62

Characteristics of the Fat and Water Balance  
as a Form of Adaptation to the Environment in  
the Separate Development of the Black-Veined  
and Cabbage White Butterflies, by G. M.  
Srosgaya, 4 pp.

C  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 474-.

AIBS

184,567

Sci

Feb 62

Effect of Methane-Forming Bacteria on Increase in  
Electrochemical Corrosion of Metals, by S. I.  
Kuznetsov, E. S. Pantskhava, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 478-480.

AIBS

Sci

Feb 62

The Morphology of a Polyhedral Virus of the Great  
Wax Moth (*Galleria mellonella L.*), by O. I.  
Shvetsova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 481-.

AIBS

Sci

Feb 62

Accumulation and Excretion of Strontium 90 and Cesium  
 $\text{^{137}Cs}$  by Larvae of the Caddis Fly *Halesus Interpunctatus*  
Zett, by A. B. Getsova, G. A. Volkova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,  
1961, pp 483-485.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Method of Visualizing Sounds Emitted by a  
Mosquito, by L. N. Ryabinkin, K. S. Aleksandrov,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 485-.

AIP  
Sov Phys - Dok  
Vol VI, No 7  
AIBS 182, ~~608~~ 848

Sci

Feb 62

Methods & for Determining the Age of Female  
Sperm Whales (*Physeter catodon* L.), by  
A. A. Berzin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 28 491-.

AIBS

Sci.

184, 536

Feb 62

SEE

The Effect of Adrenalin on Cholinergic Contraction  
of Avian Skeletal Muscle, by L. G.  
Magazanik 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 495-.

AIES

Sci

184, 546

Feb 62

Some Features of the Embryonal Diapause in  
the Mink (*Mustela vison* Shreb.); by  
Yu. B. Baevskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXXIX,  
No 2, 1961, pp 2499-502.

AIBS

184.569

Sci

Feb 62

Inductive Properties of the Microvilli of the Rudiment before Onset of Invagination and Regulation of Defects of This Rudiment in Sturgeon Embryos, by G. M. Igorev. 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 503-509.

Sci

Feb 62

AIBS  
184,570

Correlation between Latent Differentiation  
of Auditory Vesicle Material and Cell Generations  
at Corresponding Stages of Development in  
Embryos of the Beluga, Russian Sturgeon, and  
Starred Sturgeon, by E. V. Chulitskaya, 4 pp.

RUSSIAN, per, Dok s Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 506~.

AIBS

187, 563

Sci

Feb 62

The Upset of Carbohydrate Metabolism in  
Cyprinid Fish Infected with Ligula and  
Digamma, by N. A. Kosareva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 2, 1961, pp 510-512.

Sci

AIIJ  
NLL/RTS 2279  
184,553

Feb 62

(SF-1880)

Physics Changes of Electric Resistance in Praseodymium,  
Neodymium, Erbium, and Ytterbium Under Pressure of  
Up to 250,000 kg/cm<sup>2</sup>, by L. P. Vereshchagin, A. A.  
Semerchan, S. V. Popova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961.

JPRS 10499

174, 033

Sci Nau Phys

An Interesting Class of Quasilinear Systems, by S. K.  
Godunov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1-6,  
pp 521-523.

Amer Math Soc

Sci

Mar 62

Certain Conditions for the Smoothness of a Function of  
Many Variables and Estimates for Convolution Operators  
by K. K. Golovkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 524-527.

Amer Math Soc

Sci

201,063

Jun 62

On the Order of Best Approximation of Functions  
Defined on a Continuum by Means of Linear Combinations  
of Elements of an Extendable Basis, by M. M. Dragilev,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 528-530.

Amer Math Soc

Sci

Jun 62

The Behavior for  $t \rightarrow \infty$  of Solutions of a Problem of  
Sobolev, by T. I. Zelenyak, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 531-533.

Amer Math Soc

Sci

Jun 62

On a New Numerical Scheme of the Algorithm for the  
Chebyshev Approximation of an Incompatible System of  
Linear Equations and a System of Linear Inequalities.  
by S. I. Zuhoviskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, 1961,  
pp 534-537.

As Amer Math Soc

Sci

201, 064

Jun 62

Reference Frames for Submanifolds in the Theory of  
Paired Complexes in  $P_3$ , by E. T. Ivlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 538-540.

Amer Math Soc

Sci

Jun 62

A Two Point Boundary Value Problem for a Nonlinear  
Second-Order Differential Equation, and Some Theorems  
on Intermediate Values, by G. A. Kamenskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 541-543.

Amer Math Soc

Sci

Jun 62

A Boundary Value Problem for Linear and Quasilinear  
Parabolic Equations, by O. A. Ladyzhenskaya, N. N.  
Ural'seva, 4 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 544-547.

Amer Math Soc

Sci

Jun 62

On a Class of Completely Continuous Operators, by  
V. I. Macayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 548-551.

Amer Math Soc

Sci

201, 065

Jun 62

Elliptic Equations With Singular Coefficients, by  
L. G. Mihailov, 4 pp.

Russian, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,  
pp 552-555.

Amer Math Soc

Sci

Jun 62

201,066

(NY-6502)

Concerning the Integration of Potential-Pulse  
Forms, by V. G. Lazarov, Ye. I. Piyl', 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, pp 556-559.

JPRS 10438

Sci - Phys

173, 616

Nov 61

(DC-3901)

On Alphabetic Coding, by A. A. Markov, 3 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol XXXII,  
No 3, Jul 1961, pp 560-561.

JFRG 110881

Sci - Misc

175, 457

Dec 61

424-355A

On the Transformation of Programs for Solving  
Complex Logical Problems to an Optimal Form,  
by S. N. Razumovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
Jul 1961, pp 562-565.

JPRS 11088

Sci - Misc

175-458

Dec 61

(NY-6502)

Concerning the Realization of Monotonic Functions  
by Networks Consisting of Functional Elements,  
by V. I. Reznik, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, VolCXXXIX, No 3,  
pp 566-569,

JPRS 10433

Sci - Phys

173.607

Nov 61

~~Confidential~~  
(NY-6502)

Influence of Random Noise on the Periodic Mode  
in Relay-Type Automatic Systems, by Ya. Z.  
Tsyplkin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, pp 570-573. 909233.

DSI 781  
JPRS 10497  
3

Sci - Phys  
*(173, 610)*

173, 610

One Version of the Regular Precession of a Solid  
With a Liquid-Filled Cavity, by M. P. Gulyayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 574-575.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

Jan 62

Investigation of the Plastic Deformation of a Metal with Deformation Anisotropy due to Pre-stressing, by I. N. Izotov, Yu. I. Yagn, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 4, 1961, ~~pp 558~~ pp 576-.

3

AIP  
Sov Phys - Dok  
Vol VI, No 7

858  
182, ~~657~~

Sci

Feb 62

The System of Equations Arising in the  
Investigation of the Bending of a Circular  
Prismatic Beam with a Nonaxial Elliptical  
Hole, by Yu. A. Amenzade, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
March, 1961, pp 580-584.  
No 3,

AIP  
Sov Phys-Dok  
Vol VI, No 7

Sci

846  
182, ~~584~~

Feb 62

Variation of Electrical Resistance of  
Praseodnium, Dysprosium, Erbium, and  
Ytterbium under Pressures up to 250,000 kg/cm<sup>2</sup>,  
by L. F. Vereshchagin, A. A. Semerchan, S. V.  
Popova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
no 3, 1961, pp 585-586.

AIP  
Sov Phys - Dok  
Vol VI, No 7 854

Sci 182, ~~182~~

Feb 62

Fluctuations of Electron Density in the  
Ionosphere, by E. A. Novikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 587-589.

NASA TT P-8106

Sci

6 Mar 62

185, 928

US GOV'T ONLY

One-Dimensional Flow of an Ultrarelativistic  
Gas, by K. P. Stanyukovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 590-.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

Feb 62

855

182, ~~39~~

Variation in the Mechanical Characteristics of  
Amorphous Selenium Under the Action of Gamma  
Radiation, by S. V. Starodubtsev, I. A. Domoryad,  
L. P. Khiznichenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 594-.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

Jan 62

Merkur Diindandionylalkanes, by L. S. Geits,  
G. Ya. Venag, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 597-600.

CB

Sci

200, 782

Jun 62

Spectral Measurements in Mixed Solvents Based  
on Alkanes as a Method of Studying the Inter-  
action of Substances With Solvents, by  
V. A. Immail'skiy, M. A. Mostoslavskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 601-604.

CB

Sci

200, 783

Jun 62

<p>Kargin, V. A., Kabanov, V. A. and others. THE POLYMERIZATION OF ACETONITRILE AND OTHER NITRILES. [1961] 4p. Order from ATS \$6.60</p> <p>Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 139, no. 3, p. 605-607.</p> <p>DESCRIPTORS: *Acetonitriles, *Nitriles, *Polymerization.</p> <p>(Chemistry--Organic, TT, v. 7, no. 1)</p>	<p>61-25554</p> <p>I. Kargin, V. A. II. Kabanov, V. A. III. ATS-25N55R IV. Associated Technical Services, Inc. East Orange, N. J.</p> <p>ATS/RJT-3000</p> <p>Office of Technical Services</p>
---	---

Thin-Layer Chromatography of Cerebrosides, by  
N. K. Kochetkov, L. G. Zhukova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,  
No 3, 1961, pp 608-611.

CB

Sci

200, 784

Jun 62

The Homologous Series of Uranium Oxides,  
 $U_nO_{2n+2}$ , by E. S. Makarov 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 612-615.

CB

Sci

200,785

Jun 62

Investigation of the Thermodynamic Properties of  
Cerium-Lead, Praseodymium-Lead and Neodymium-Lead  
Alloys, by P. P. Otopkov, Ya. I. Gerasimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961,  
pp 616-617.

CB

Sci

Jun 62

Investigations in the Field of Multicomponent Nickel Systems, by L. I. Pryakhina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 618-621.

CB

Sci

200, 786

Jun 62

A New Method for the Synthesis of Trichloro-methyl Organomercury Compounds, by  
O. A. Reutov, A. N. Lovtsova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 622-625.

CB

Sci

200,787

Jun 62

Chemisorption of Isopropyl Alcohol on Metal  
Oxide- $\gamma$ -Alumina Catalysts, by A. M. Rubinshtein,  
K. I. Slovetskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 3, 1961, pp 626-629.

CB

Sci

Jun 62

200, 788

OTS 62-16568

The Nature of the Green Light Emission and  
the Composition of the Products Obtained by  
Boron Burning at 3100° K, by A. D. Rusin,  
V. M. Tatevskiy, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 3, 1961, pp 630-633. 9676729

FID-TP-62-228

Sci - Phys

196, 483

23 May 62

On the Catalytic Hydrogenation of Esters, by N. I.  
Shuikin, I. F. Bel'skiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961,  
pp 634-636.

CB

Sci

Jun 62

Some Features of the Inoculation of Centers of Grey  
Tin on Particles of CdTe, InSb, Si and Ge, by A. I.  
Bykovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 637-640.

CB

Sci

Apr 62

Interaction of Oxygen and Anions Adsorbed on  
Platinum, by V. E. Kazarinov, I. A. Balashova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 641-644.

CB

Sci

Apr 62

Experimental Determination of the Enthalpy of  
Molybdenum at 700-2337°, by V. A. Kirillin, A. E.  
Sheindlin, V. Ya. Chekhovskoy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 645-647.

CB

Sci

Apr 62

Chemical Exchange Reactions in Solid Phases, and the  
Contact Between Reacting Solid Particles, by M. M.  
Pavlyuchenko, M. P. Gilevich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 648-650.

CB

Sci

Apr 62

The Nature and Stability of the Cross Linkages in  
Radiation Vulcanizates of Polysiloxane Rubbers, by  
I. Ya. Poddubnyy, S. V. Aver'yanov, L. A. Aver'yanova,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 651-653.

CB

Sci

Apr 62

The Effect of the Radioactivity of Molybdenum  
Trioxyde on the Velocity of Its Evaporation, by  
V. I. Spitsyn, I. E. Zimakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,  
1961, pp 654-657.

CB

Sci

Apr 62